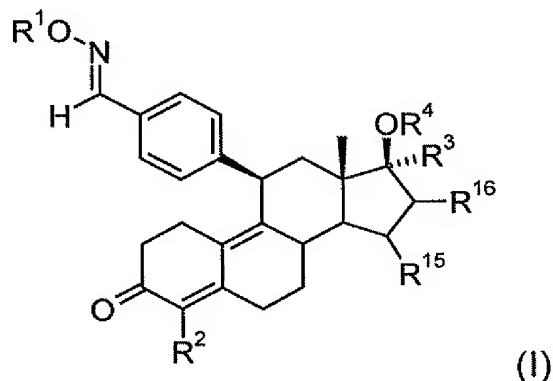


This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Claim 1. (Currently Amended)** A compound of formula I



~~in which radicals~~ wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> as well as R<sup>15</sup> and R<sup>16</sup> have the following meaning:

R<sup>1</sup> is a hydrogen atom, an alkanoyl radical with 1 to 10 carbon atoms or an optionally substituted benzoyl radical with 6-10 carbon atoms or a radical CONHR<sup>5</sup>, ~~whereby~~ wherein R<sup>5</sup> is a hydrogen atom, an alkyl or acyl radical ~~with which comprises~~ 1-10 carbon atoms in each case, or an alkylaryl or aralkyl radical ~~with which comprises~~ 6-10 carbon atoms in each case,

R<sup>2</sup> is a halogen atom or a CF<sub>3</sub> group,

R<sup>3</sup> is a hydrogen atom or a group CH<sub>2</sub>X, ~~in which~~ wherein X ~~stands for~~ is a hydrogen atom, a hydroxy group, a halogen atom, an alkyl radical with 1 or 2 carbon atoms, or X ~~stands for~~ is a radical (CH<sub>2</sub>)<sub>n</sub>CH<sub>2</sub>Y ~~with~~ wherein n = 0 or 1, and Y ~~stands for~~ is a halogen atom, ~~whereby~~ wherein if R<sup>2</sup> is a halogen atom, R<sup>3</sup> ~~in addition can mean~~ optionally is additionally a group C<sub>n</sub>F<sub>m</sub>H<sub>o</sub>, ~~whereby~~ wherein n = 1, 2, 3, 4 or 5, m > 1 and m + o = 2n + 1,

R<sup>4</sup> ~~means~~ is a hydrogen atom, an alkyl or alkanoyl radical that consists of 1-10 carbon atoms in each case or a benzoyl radical ~~with which comprises~~ 6-10 carbon atoms or a radical -CONHR<sup>5</sup>, ~~whereby~~ wherein R<sup>5</sup> has the above-indicated meaning,

and

R<sup>15</sup> and R<sup>16</sup> ~~represent are each, independently of one another,~~ hydrogen atoms or together a double bond.

**Claim 2. (Currently Amended)** A compound of formula 1 according to claim 1, ~~in which~~ wherein R<sup>2</sup> is a chlorine or bromine atom.

**Claim 3. (Currently Amended)** A compound of formula I according to claim 1, ~~in which~~ wherein R<sup>3</sup> is a hydrogen atom or a group CH<sub>2</sub>X,  
in which X is a hydrogen atom, a hydroxy group, a halogen atom, or a straight-chain or branched or unsaturated alkyl radical with 1-2 carbon atoms, a radical (CH<sub>2</sub>)<sub>n</sub>CH<sub>2</sub>Y ~~with~~ wherein n = 0 or 1, and Y is a halogen atom.

**Claim 4. (Previously Presented)** A compound of formula I, according to claim 1, wherein R<sup>4</sup> is a hydrogen atom or an alkyl radical with 1 to 4 carbon atoms.

**Claim 5. (Currently Amended)** A compound of formula I according to claim 1, in which R<sup>1</sup> ~~means is~~ is a hydrogen atom, R<sup>2</sup> ~~stands for is~~ is a chlorine atom or a bromine atom, and R<sup>3</sup> ~~can be is~~ is a hydrogen atom, a methyl group, or a CH<sub>2</sub>-X group, ~~whereby~~ wherein X ~~stands for is~~ is a fluorine, chlorine or bromine atom or a hydroxy group.

**Claim 6. (Currently Amended)** A compound of formula I, according to claim 1, which is:  
4-[4'-Bromo-17β-hydroxy-3-oxoestra-4,9-dien-11β-yl]benzaldehyde-1-(E)-oxime,  
4-[4'-Bromo-17β-hydroxy-17α-methyl-3-oxoestra-4,9-dien-11β-yl]benzaldehyde-1-(E)-oxime,  
4-[4'-Bromo-17β-hydroxy-17α-trifluoromethyl-3-oxoestra-4,9-dien-11β-yl]benzaldehyde-1-(E)-oxime,  
4-[17β-Acetoxy-4'-bromo-3-oxoestra-4,9-dien-11β-yl]benzaldehyde-1-(E)-oxime,  
4-[17β-Acetoxy-4'-bromo-3-oxoestra-4,9-dien-11β-yl]benzaldehyde-1-(E)-O-acetyloxime,  
4-[4'-Chloro-17β-hydroxy-17α-trifluoromethyl-3-oxoestra-4,9-dien-11β-yl]benzaldehyde-1-(E)-oxime,  
4-[4'-Chloro-17β-hydroxy-3-oxoestra-4,9-dien-11β-yl]benzaldehyde-1-(E)-oxime,  
4-[4'-Bromo-17α-fluoromethyl-17β-hydroxy-3-oxoestra-4,9-dien-11β-yl]benzaldehyde-1-(E)-oxime,



R<sup>3</sup> is a hydrogen atom or a group CH<sub>2</sub>X, ~~in which wherein~~  
X ~~stands for is~~ a hydrogen atom, a hydroxy group, a halogen atom, an alkyl radical  
with 1 or 2 carbon atoms, or X ~~stands for is~~ a radical (CH<sub>2</sub>)<sub>n</sub>CH<sub>2</sub>Y ~~with wherein~~ n =  
0 or 1, and Y ~~stands for is~~ a halogen atom,  
~~whereby wherein~~ if R<sup>2</sup> is a halogen atom, R<sup>3</sup> ~~in addition can mean optionally is~~  
~~additionally~~ a group C<sub>n</sub>F<sub>m</sub>H<sub>o</sub>, ~~whereby wherein~~ n = 1, 2, 3, 4 or 5, m > 1 and m + o  
= 2n + 1,

R<sup>4</sup> ~~means is~~ a hydrogen atom, an alkyl or alkanoyl radical that consists of 1-10 carbon  
atoms in each case or a benzoyl radical ~~with which comprises~~ 6-10 carbon atoms or  
a radical -CONHR<sup>5</sup>, ~~whereby wherein~~ R<sup>5</sup> has the above-indicated meaning,

and

R<sup>15</sup> and R<sup>16</sup> ~~represent are each, independently of one another,~~ hydrogen atoms or together a  
double bond.

**Claim 9. (Previously Presented)** A method for treating dysfunctional bleeding according to  
claim 8, comprising administering to a host in need thereof a compound of formula I'.

**Claim 10. (Previously Presented)** A method for treating dysmenorrhea according to claim 8,  
comprising administering to a host in need thereof a compound of formula I'.

**Claim 11. (Previously Presented)** A method for inducing an amenorrhea according to claim 8,  
comprising administering to a host in need thereof a compound of formula I'.

**Claim 12. (Previously Presented)** A method for treating hormonal disorders in postmenopausal  
women according to claim 8, comprising administering to a host in need thereof a compound of  
formula I'.

**Claim 13. (Previously Presented)** A process for treating endometriosis or uterus myomatoses,  
comprising administering to a host in need thereof a compound of claim 1.

**Claim 14. (Previously Presented)** A method according to claim 8, wherein the compound is  
administered in combination with at least one low-dose natural or synthetic estrogen.

**Claim 15. (Previously Presented)** A method according to claim 14, comprising using an estrogen as its 3-sulfamate.

**Claim 16. (Previously Presented)** A method according to claim 15, wherein the estrogen-3-sulfamate is 17 $\beta$ -hydroxy-estra-1,3,5(10)-trien-3yl-sulfamate.

**Claim 17. (Previously Presented)** A method for the production of a pharmacological agent, comprising bringing together a compound of claim 1 and a pharmacologically acceptable carrier.

**Claim 18. (Previously Presented)** A method for female birth control, comprising administering to a female a compound according to claim 1.

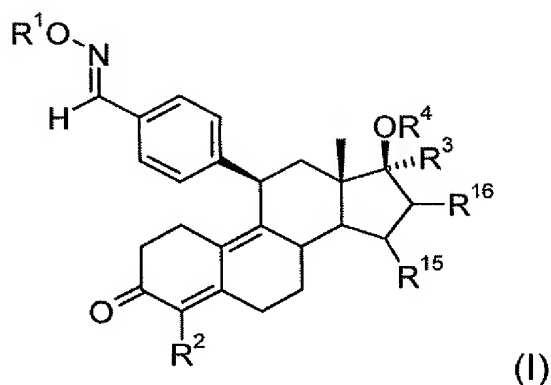
**Claim 19. (Previously Presented)** A method according to claim 18, wherein the compound is administered in combination with at least one low-dose natural or synthetic estrogen.

**Claim 20. (Previously Presented)** A method according to claim 19, comprising using an estrogen as its 3-sulfamate.

**Claim 21. (Previously Presented)** A method according to claim 13, wherein the compound is administered in combination with at least one low-dose natural or synthetic estrogen.

**Claim 22. (Previously Presented)** A method according to claim 21, comprising using an estrogen as its 3-sulfamate.

**Claim 23. (New)** A compound of formula I



wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> as well as R<sup>15</sup> and R<sup>16</sup> have the following meaning:

R<sup>1</sup> is a hydrogen atom, an alkanoyl radical with 1 to 10 carbon atoms or an optionally substituted benzoyl radical with 6-10 carbon atoms or a radical CONHR<sup>5</sup>, wherein R<sup>5</sup> is a hydrogen atom, an alkyl or acyl radical which comprises 1-10 carbon atoms in each case, or an alkylaryl or aralkyl radical which comprises 6-10 carbon atoms in each case,

R<sup>2</sup> is a halogen atom or a CF<sub>3</sub> group,

R<sup>3</sup> is a hydrogen atom or a group CH<sub>2</sub>X, wherein X is a hydrogen atom, a hydroxy group, a halogen atom, an alkyl radical with 1 or 2 carbon atoms, or X is a radical (CH<sub>2</sub>)<sub>n</sub>CH<sub>2</sub>Y wherein n = 0 or 1, and Y is a halogen atom,

wherein if R<sup>2</sup> is a halogen atom, R<sup>3</sup> optionally is additionally a group C<sub>n</sub>F<sub>m</sub>H<sub>o</sub>, wherein n = 1, 2, 3, 4 or 5, m > 1 and m + o = 2n + 1,

R<sup>4</sup> is a hydrogen atom, an alkyl or alkanoyl radical that consists of 1-10 carbon atoms in each case or a benzoyl radical which comprises 6-10 carbon atoms or a radical – CONHR<sup>5</sup>, wherein R<sup>5</sup> has the above-indicated meaning,

and

R<sup>15</sup> and R<sup>16</sup> are each, independently of one another, hydrogen or together a double bond, or a pharmaceutically acceptable salt thereof.

**Claim 24. (New)** A method for female birth control, for treating dysfunctional bleeding, for treating dysmenorrhea, for inducing an amenorrhea, or for treating hormonal disorders in postmenopausal women, comprising administering to a female a compound according to claim 23.